AMENDMENT

In the Claims:

Please replace the presently pending claims with the following claims:

D14 C1

1. (Twice amended) An isolated 125P5C8 protein comprising the sequence of SEQ ID NO: 2.

D4 C2

2. (Amended) A 125P5C8 protein, wherein the 125P5C8 protein has at least 6 contiguous amino acids of an amino acid sequence shown in SEQ ID NO: 2.

3. (Amended) The 125P5C8 protein of claim 2, wherein 125P5C8 protein has at least 15 contiguous amino acids of an amino acid sequence shown in SEQ ID NO: 2.

D14 C3

4. (Amended) The 125P5C8 protein of claim 3, wherein the 125P5C8 protein is at least 30 contiguous amino acids of an amino acid sequence shown in SEQ ID NO: 2.

D14 C4

7. (Amended) An 125P5C8 protein of claim 1 that further comprises at least one conservative substitution.

C5

8. (Twice amended) An 125P5C8 protein of claim 1 that comprises an epitope that induces a specific antibody response.

D4 C6

14. (Twice amended) An isolated 125P5C8 protein of claim 1 that has an amino acid sequence which is exactly that of an amino acid sequence encoded by a polynucleotide selected from the group consisting of:

(a) a polynucleotide consisting of the sequence as shown in SEQ ID NO: 1,

(b) a polynucleotide consisting of the sequence as shown in SEQ ID NO: 1, from nucleotide residue number 82 through nucleotide residue number 696,

(c) a polynucleotide that encodes a 125P5C8 protein whose sequence is encoded by the cDNAs contained in the plasmids designated *Escherichia coli* DH5A 125P5C8PRO deposited with American Type Culture Collection as Accession No. PTA-3137;

(d) a polynucleotide that is fully complementary to a polynucleotide of any one of (a)-(c); and,

(e) a polynucleotide that selectively hybridizes under stringent conditions to a polynucleotide of (a)-(c).

Please cancel claim 15 and 20-22.

23. (Amended) A 125P5C8-related protein produced by a process comprising culturing a host cell that contains an expression vector comprising an 125P5C8 nucleotide, where T can be U, that comprises:

(a) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2103; or,

(b) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2100; or,

(c) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2097; or

(d) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 339;

(e) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 1119;

(f) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 2065;

(g) a polynucleotide that selectively hybridizes under stringent conditions to a polynucleotide of (a)-(f);

wherein a range is understood to specifically disclose all whole unit positions thereof.